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**TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING  
REJECTION OVER A "PRIOR" PATENT**

Docket Number (Optional)  
R2184.0157/P157-A

In re Application of: Shinji Yamakawa

Application No.: 10/662,415-Conf. #9668

Filed: September 16, 2003

For: IMAGE PROCESSING APPARATUS INCLUDING LOW-LINEAR-DENSITY DOT REGION  
DETECTION UNIT,  
AND IMAGE FORMING APPARATUS INCLUDING THE SAME

The owner\*, Ricoh Company, Ltd., of 100 percent interest in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent No. 6,655,861 as the term of said prior patent is defined in 35 U.S.C. 154 and 173, and as the term of said prior patent is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term as defined in 35 U.S.C. 154 and 173 of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later:

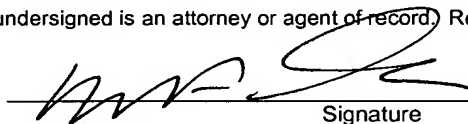
- expires for failure to pay a maintenance fee;
- is held unenforceable;
- is found invalid by a court of competent jurisdiction;
- is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321;
- has all claims canceled by a reexamination certificate;
- is reissued; or
- is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

Check either box 1 or 2 below, if appropriate.

1. ☐ For submissions on behalf of a business/organization (e.g., corporation, partnership, university, government agency, etc.), the undersigned is empowered to act on behalf of the business/organization.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2. ☒ The undersigned is an attorney or agent of record, Reg. No. 33,082

  
Signature

1/27/06  
Date

Mark J. Thronson  
Typed or printed name

(202) 775-4742  
Telephone Number

- ☒ Terminal disclaimer fee under 37 CFR 1.20(d) is included.

\*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).  
Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

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OCTOBER 30, 2002

DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP  
MARK J. THRONSON  
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UNITED STATES PATENT AND TRADEMARK OFFICE  
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RECORDATION DATE: 08/19/2002

REEL/FRAME: 013204/0915  
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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

YAMAKAWA, SHINJI

DOC DATE: 07/24/2002

ASSIGNEE:

RICOH COMPANY, LTD.  
3-6, NAKAMAGOME 1-CHOME  
OHTA-KU, TOKYO 143-8555, JAPAN

SERIAL NUMBER: 10152841  
PATENT NUMBER:

FILING DATE: 05/23/2002  
ISSUE DATE:

LAZENA MARTIN, EXAMINER  
ASSIGNMENT DIVISION  
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08-23-2002

MM  
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OMB No. 0851-0027 (exp. 5/31/2002)ET U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

## 1. Name of conveying party(ies):

Shinji Yamakawa

Additional name(s) of conveying party(ies) attached?

☐ Yes☒ No

## 3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: July 24, 2002

## 2. Name and address of receiving party(ies)

Name: Ricoh Company, Ltd.

Internal Address:

Street Address:

3-6, Nakamagome 1-chome  
Ohta-ku, Tokyo 143-8555  
Japan

City:

State:

Zip:

Additional name(s) &  
address(es) attached:☐ Yes☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the new application is:

A. Patent Application No.(s):

10/152,841

B. Patent No.(s):

Additional numbers attached?

☐ Yes☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Mark J. Thronson

DICKSTEIN SHAPIRO MORIN &amp; OSHINSKY LLP

Internal Address: Atty. Dkt.: R2184.0157/P157

Street Address:  
2101 L Street NWCity:  
Washington

State: DC Zip: 20037-1526

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 3.41)

\$ 40.00

☐ Enclosed☒ Authorized to be charged to deposit account☒ Authorized to be charged to credit card  
(Form 2038 enclosed)

## 8. Deposit account number:

04-1073

(Attach duplicate copy of this page if paying by deposit account)

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## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Mark J. Thronson (33,082)

Name of Person Signing

Signature

August 16, 2002

Date

Total number of pages including cover sheet, attachments, and documents: 4

## ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, by SHINJI YAMAKAWA, \_\_\_\_\_,  
\_\_\_\_\_, and \_\_\_\_\_ (hereinafter referred to as  
"Assignors"), residing at Kanagawa, Japan,  
\_\_\_\_\_, and  
\_\_\_\_\_, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in  
IMAGE PROCESSING APPARATUS INCLUDING LOW-LINEAR-DENSITY DOT REGION DETECTION UNIT,  
AND IMAGE FORMING APPARATUS INCLUDING THE SAME, set forth in a patent  
application for Letters Patent of the United States, executed concurrently herewith; and

WHEREAS, Ricoh Company, Ltd. (hereinafter referred to as "Assignee"),  
having offices at 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo 143-8555, Japan, is  
desirous of acquiring the entire right, title and interest in and to said inventions and said  
Application for Letters Patent of the United States, and in and to any Letters Patent of  
the United States to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other  
good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors  
have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer  
and set over, unto Assignee, its successors, legal representatives and assigns, the entire  
right, title and interest in and to the above-mentioned inventions and application for  
Letters Patent, and in and to any and all direct and indirect divisions, continuations and  
continuations-in-part of said application, and any and all Letters Patent in the United  
States and all foreign countries which may be granted therefor and thereon, and reissues,  
reexaminations and extensions of said Letters Patent, and all rights under the  
International Convention for the Protection of Industrial Property, the same to be held  
and enjoyed by Assignee, for its own use and benefit and the use and benefit of its  
successors, legal representatives and assigns, to the full end of the term or terms for which

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document: Edward A. Meilman, Reg. No. 24,735, Gary M. Hoffman, Reg. No. 26,411, Steven I. Weisburd, Reg. No. 27,409, Thomas J. D'Amico, Reg. No. 28,371, Donald A. Gregory, Reg. No. 28,954, Stephen A. Soffen, Reg. No. 31,063, James W. Brady, Jr., Reg. No. 32,115, Jon D. Grossman, Reg. No. 32,699, Mark J. Thronson, Reg. No. 33,082, Michael J. Scheer, Reg. No. 34,425, and Eric Oliver, Reg. No. 35,307, of Dickstein Shapiro Morin & Oshinsky LLP.

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

**Assignors:**

Shinji Yamakawa  
SHINJI YAMAKAWA

Date: July 24, 2002

\_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_

Date: \_\_\_\_\_

**Witnesses:**

Arturo J. L.

Date: July 24, 2002

Hiroyuki Morita

Date: July 24, 2002